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Om nucleic - nucleic search, using bw model.

Run on: January 24, 2006, 05:25:18 ; Search time 1497 Seconds
(without alignments)

9793.993 Million cell updates/sec

Title: US-10-808-964A-2

Perfect score: 1973

Sequence: 1 ggtaacctccgtggatgttcc.....caaattcgcccttcgggtacc 1773

Scoring table: IDENTITY_NUC Gapext 1.0

Searched: 9793542 seqs, 4134689005 residues

Total number of hits satisfying chosen parameters: 19587084

Minimum DB seq length: 0

Maximum DB seq length: 20000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

RESULT 1
US-10-314-512-2

; Sequence 2, Application US/10314512
; Publication No. US20030170270A1
; GENERAL INFORMATION:
; APPLICANT: Meng, Xiang-Jin
; APPLICANT: Fenaux, Martijn
; APPLICANT: Halbur, Patrick G.
; TITLE OF INVENTION: Chimeric Infectious DNA Clones, Chimeric Porcine Circoviruses and
; TITLE OF INVENTION: Thereof
; FILE REFERENCE: AM100878
; CURRENT FILING DATE: 2002-12-09
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 1773
; TYPE: DNA
; ORGANISM: Porcine circovirus

Query Match Score 1773; DB 6; Length 1773;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1773; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTGACTCCCGTGGATGTTCAGCAGTCCTCCAAATTGCAAGTAGTANTCCTCCGA 60
Db 1 GTGACTCCCGTGGATGTTCAGCAGTCCTCCAAATTGCAAGTAGTANTCCTCCGA, 60

Qy 61 TAGAGAGCTTCACAGCTGGCACAGCTGGTGGAGGTACCCCTTAATGTCCTACAGTC 120
Db 61 TAGAGAGCTTCACAGCTGGCACAGCTGGTGGAGGTACCCCTTAATGTCCTACAGTC 120

Qy 121 CTTGGTAAATCAAATACTGGGCCAAAAGAACGTAACGTTACCCCTTAATGTCCTACAGTC 180
Db 121 CTTGGTAAATCAAATACTGGGCCAAAAGAACGTAACGTTACCCCTTAATGTCCTACAGTC 180

Qy 181 ATGGATACCGGTCAACAGCTCAGTAACTCCAGGTAACTCCAGTAACTAAATCA 240
Db 181 ATGGATACCGGTCAACAGCTCAGTAACTCCAGTAACTAAATCA 240

Qy 241 TCCAAACGACACTCTTCATGATATCCACCACTTATCTACTGGCTTC 300
Db 241 TCCAAACGACACTCTTCATGATATCCACCACTTATCTACTGGCTTC 300

Qy 301 CAGTAGGTGTCCTGAGCTCGCAAAATTACGGGCCACTGGCTTCACACCGGC 360

Result No.	Score	Query Match	Length	DB ID	Description
1	1773	100.0	1773	6 US-10-314-512-2	Sequence 2, Appli
2	1773	100.0	1773	8 US-10-808-964-2	Sequence 2, Appli
3	1285.2	72.5	1768	7 US-10-311-423-4	Sequence 4, Appli
4	1278.8	72.5	1768	7 US-10-311-423-4	Sequence 2, Appli
5	1277.2	72.0	1768	7 US-10-311-423-5	Sequence 6, Appli
6	1274.9	71.9	1768	7 US-10-311-423-3	Sequence 3, Appli
7	1274.71.9	71.9	1768	7 US-10-311-423-3	Sequence 5, Appli
8	1218.2	68.7	1762	7 US-10-311-423-1	Sequence 1, Appli
9	1218.2	68.7	1759	7 US-10-311-423-1	Sequence 7, Appli
10	1198.8	67.5	7460	5 US-10-038-001-7	Sequence 16, Appli
11	1198.8	67.4	5225	6 US-10-288-186-16	Sequence 1, Appli
12	1195.8	67.4	5285	5 US-10-038-001-1	Sequence 2, Appli
13	1195.8	67.4	5650	5 US-10-038-001-1	Sequence 17, Appli
14	1195.8	67.4	5650	6 US-10-288-186-17	Sequence 5, Appli
15	1059.8	59.8	1759	3 US-09-784-962-5	Sequence 5, Appli
16	1059.8	59.8	1759	3 US-09-784-954-5	Sequence 5, Appli
17	1059.8	59.8	1759	8 US-10-624-049-5	Sequence 5, Appli
18	1059.8	59.8	1759	9 US-10-780-318-5	Sequence 5, Appli
19	1054.4	59.7	1768	6 US-10-314-512-1	Sequence 1, Appli
20	1054.4	59.7	1768	8 US-10-808-964-1	Sequence 1, Appli
21	981.2	55.3	1768	3 US-09-784-962-3	Sequence 3, Appli
22	981.2	55.3	1768	3 US-09-884-954-3	Sequence 3, Appli
23	981.2	55.3	1768	8 US-10-624-049-3	Sequence 3, Appli

SUMMARIES

* Summary

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: January 24, 2006, 05:06:16 ; Search time 333 seconds

(without alignments)
9464.315 Million cell updates/sec

Title: US-10-808-964A-2

Perfect score: 1973

Sequence: 1 ggttacccgtggatgttcc.....caatcgcccttcgggtacc 1773.

Scoring table: IDENTITY NUC Gapop 10.0 , Gapext 1.0

Searched: 1303057 seqs, 88780828 residues

Total number of hits satisfying chosen parameters:

2606114

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0*

Maximum Match 100*

Listing first 45 summaries

Database : Issued Patents_NA.*

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3: /cn2_6/podata/1/ina/6A COMB seq:
4: /cn2_6/podata/1/ina/6B COMB seq:
5: /cn2_6/podata/1/ina/H COMB seq:
6: /cn2_6/podata/1/ina/PECTUS COMB seq:
7: /cn2_6/podata/1/ina/PP COMB seq:
8: /cn2_6/podata/1/ina/RE COMB seq:
9: /cn2_6/podata/1/ina/backfiles.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No. Score Match Length DB ID

Result No.	Score	Match	Length	DB	ID	Description
C 1	1059.8	59.8	1759	3	US-09-347-594-5	Sequence 5, Appli
C 2	1059.8	59.8	1759	3	US-09-082-558-5	Sequence 5, Appli
C 3	1059.8	59.8	1759	3	US-09-161-092-5	Sequence 5, Appli
C 4	1059.8	59.8	1759	3	US-09-583-350-3	Sequence 5, Appli
C 5	1059.8	59.8	1759	3	US-09-884-514-3	Sequence 5, Appli
C 6	1059.8	59.8	1759	3	US-09-784-962-3	Sequence 5, Appli
C 7	1053.2	59.4	3609	3	US-09-583-545-13	Sequence 13, Appli
C 8	981.2	55.3	1768	3	US-09-347-594-13	Sequence 3, Appli
C 9	981.2	55.3	1768	3	US-09-082-558-3	Sequence 3, Appli
C 10	981.2	55.3	1768	3	US-09-161-092-6	Sequence 3, Appli
C 11	981.2	55.3	1768	3	US-09-583-350-4	Sequence 3, Appli
C 12	981.2	55.3	1768	3	US-09-884-514-4	Sequence 3, Appli
C 13	981.2	55.3	1768	3	US-09-784-962-4	Sequence 3, Appli
C 14	976.4	55.1	1768	3	US-09-347-594-4	Sequence 4, Appli
C 15	976.4	55.1	1768	3	US-09-082-558-4	Sequence 4, Appli
C 16	976.4	55.1	1768	3	US-09-161-092-6	Sequence 4, Appli
C 17	976.4	55.1	1768	3	US-09-583-350-4	Sequence 4, Appli
C 18	976.4	55.1	1768	3	US-09-884-514-4	Sequence 4, Appli
C 19	976.4	55.1	1768	3	US-09-784-962-4	Sequence 4, Appli
C 20	967.2	54.6	1768	3	US-09-082-558-6	Sequence 6, Appli
C 21	967.2	54.6	1768	3	US-09-161-092-6	Sequence 6, Appli
C 22	967.2	54.6	1768	3	US-09-583-350-6	Sequence 6, Appli
C 23	967.2	54.6	1768	3	US-09-884-514-6	Sequence 6, Appli
C 24	954	53.8	1767	3	US-09-347-594-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1
US-09-347-594-5/c

; Sequence 5, Application US/09347594

; Patent No. 6217883

; GENERAL INFORMATION:

; APPLICANT: ALLAN, Gordon M.

; APPLICANT: MEEHAN, Brian M.

; APPLICANT: ELLIS, John A.

; APPLICANT: RAKOWKA, George S.

; APPLICANT: AUDONNET, Jean-Christophe F.

; TITLE OF INVENTION: PORCINE CIRCOVIRUS AND PARVOVIRUS VACCINE

; FILE REFERENCE: 45413-2338

; CURRENT APPLICATION NUMBER: US/09/347,594

; CURRENT FILING DATE: 1999-07-01

; EARLIER APPLICATION NUMBER: 98 08777

; NUMBER OF SEQ ID NOS: 5

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO: 5

; LENGTH: 1759

; TYPE: DNA

; ORGANISM: Porcine circovirus

; US-09-347-594-5

Query Match 53.8%; Score 1059.8; DB 3; Length 1759;

Best Local Similarity 90.5%; Pred. No: 0; Missmatches 112; Indels 9; Gaps 2;

Matches 1156; Conservative 0; APPLICANT: MEEHAN, Brian M.

APPLICANT: ELLIS, John A.

APPLICANT: RAKOWKA, George S.

APPLICANT: AUDONNET, Jean-Christophe F.

TITLE OF INVENTION: PORCINE CIRCOVIRUS AND PARVOVIRUS VACCINE

FILE REFERENCE: 45413-2338

CURRENT APPLICATION NUMBER: US/09/347,594

CURRENT FILING DATE: 1999-07-01

EARLIER APPLICATION NUMBER: 98 08777

NUMBER OF SEQ ID NOS: 5

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO: 5

LENGTH: 1759

TYPE: DNA

ORGANISM: Porcine circovirus

US-09-347-594-5

Query Match 53.8%; Score 1059.8; DB 3; Length 1759;

Best Local Similarity 90.5%; Pred. No: 0; Missmatches 112; Indels 9; Gaps 2;

Matches 1156; Conservative 0; APPLICANT: MEEHAN, Brian M.

APPLICANT: ELLIS, John A.

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SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO: 5

LENGTH: 1759

TYPE: DNA

ORGANISM: Porcine circovirus

US-09-347-594-5

Query Match 53.8%; Score 1059.8; DB 3; Length 1759;

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Matches 1156; Conservative 0; APPLICANT: MEEHAN, Brian M.

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APPLICANT: AUDONNET, Jean-Christophe F.

TITLE OF INVENTION: PORCINE CIRCOVIRUS AND PARVOVIRUS VACCINE

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CURRENT FILING DATE: 1999-07-01

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NUMBER OF SEQ ID NOS: 5

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO: 5

LENGTH: 1759

TYPE: DNA

ORGANISM: Porcine circovirus

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Query Match 53.8%; Score 1059.8; DB 3; Length 1759;

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Matches 1156; Conservative 0; APPLICANT: MEEHAN, Brian M.

APPLICANT: ELLIS, John A.

APPLICANT: RAKOWKA, George S.

APPLICANT: AUDONNET, Jean-Christophe F.

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CURRENT APPLICATION NUMBER: US/09/347,594

CURRENT FILING DATE: 1999-07-01

EARLIER APPLICATION NUMBER: 98 08777

NUMBER OF SEQ ID NOS: 5

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO: 5

LENGTH: 1759

TYPE: DNA

ORGANISM: Porcine circovirus

US-09-347-594-5

Query Match 53.8%; Score 1059.8; DB 3; Length 1759;

Best Local Similarity 90.5%; Pred. No: 0; Missmatches 112; Indels 9; Gaps 2;

Matches 1156; Conservative 0; APPLICANT: MEEHAN, Brian M.

APPLICANT: ELLIS, John A.

APPLICANT: RAKOWKA, George S.

APPLICANT: AUDONNET, Jean-Christophe F.

TITLE OF INVENTION: PORCINE CIRCOVIRUS AND PARVOVIRUS VACCINE

FILE REFERENCE: 45413-2338

CURRENT APPLICATION NUMBER: US/09/347,594

CURRENT FILING DATE: 1999-07-01

EARLIER APPLICATION NUMBER: 98 08777

NUMBER OF SEQ ID NOS: 5

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO: 5

LENGTH: 1759

TYPE: DNA

ORGANISM: Porcine circovirus

US-09-347-594-5

Result No.	Score	Query	Match	Length	DB	ID	Description	SUMMARIES
c 1	56.6	EST:*	1: gb_est1:*	3.2	1101	CNS001LT2	AL078714 Drosophil	
c 2	50.0	EST:*	2: gb_est2:*	2.8	939	10	AL059400 Drosophil	
c 3	48.6	EST:*	3: gb_est3:*	2.7	870	10	BG445569 GA_Ba002	
c 4	48.2	EST:*	4: gb_htc:*	573	6	CD659610 BtBSpf53	CD696110 BtBSpf53	
c 5	47.6	EST:*	5: gb_est4:*	2.7	1141	10	AG365778 Mus_muscu	AG365778 Mus_muscu
c 6	47.4	EST:*	6: gb_est5:*	2.7	1141	10	AL066784 Drosophil	AL066784 Drosophil
c 7	47.2	EST:*	7: gb_est6:*	2.7	922	10	AG886740 Oryza sat	AG886740 Oryza sat
c 8	46.8	EST:*	8: gb_est7:*	2.6	451	7	CO886405 LM_SIS_00	CO886405 LM_SIS_00
c 9	46.8	EST:*	9: gb_gbs1:*	2.6	553	7	CO824796 LM_GBS_00	CO824796 LM_GBS_00
c 10	46.6	EST:*	10: gb_gbs2:*	2.6	571	6	CA741621 wif1c_Dko	CA741621 wif1c_Dko
c 11	46.6	EST:*	11: gb_gbs3:*	2.6	857	3	BP162319	BP162319
c 12	46.6	EST:*		2.6	909	3	CNS001LT2	AL076724 Drosophil
c 13	46.4	EST:*		2.6	560	6	CA222795 SCBZFL403	CA222795 SCBZFL403
c 14	46.4	EST:*		2.6	401	1	AW555552	AW255255 ML252_pcp
c 15	45.6	EST:*		2.6	179	7	CP963096 8886service	CP963096 8886service
c 16	45.6	EST:*		2.6	388	7	CP962795	CP962795
c 17	45.6	EST:*		2.6	389	7	CP962731	CP962731
c 18	45.6	EST:*		2.6	474	7	CP959714	CP959714
c 19	45.4	EST:*		2.6	439	8	DN145761 4836_G12	DN145761 4836_G12
c 20	45.2	EST:*		2.5	330	8	DR179060 RTWNT1_I	DR179060 RTWNT1_I
c 21	45.2	EST:*		2.5	415	8	DR012815 HRAT1_15	DR012815 HRAT1_15
c 22	45.2	EST:*		2.5	455	8	DN458173 EST933972	DN458173 EST933972

ALIGNMENTS

RESULT 1

LOCUS CNS001LT2/c
DEFINITION Drosophila melanogaster genome survey sequence TET3 end of BAC;
BACR18P19 of RP1-98 library from Drosophila melanogaster (fruit fly), genomic survey sequence.

ACCESSION AL078714
VERSION AL078714.1 GI:5102004
KEYWORDS GSS.
SOURCE Drosophila melanogaster (fruit fly)
ORGANISM Drosophila melanogaster
Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
Ephydriidae; Drosophilidae; Drosophila.

REFERENCE 1 (bases 1 to 1101)

AUTHORS Genoscope.
TITLE Direct Submission

JOURNAL Submitted (11-JUN-1999) Genoscope - Centre National de Sequençage : BP 191 91006 ERYVY cedex - FRANCE (E-mail : seeref@genoscope.cns.fr)

COMMENT Determination of this BAC-end sequence was carried out as part of a collaboration with the Berkeley Drosophila Genome Project (BDGP).

The BDGP is constructing a physical map of the Drosophila melanogaster genome using these BACs. For further information please see <http://www.fruitfly.org>. The BDGP Drosophila melanogaster BAC library was prepared by Kazutoyo Osoegawa and Aaron Mammosser in Pieter de Jong's laboratory in the Department of Cancer Genetics at the Roswell Park Cancer Institute in Buffalo, NY. The library is named RPCI-98 and was constructed by partial EcoRI digestion of Drosophila DNA provided by the BDGP from the isogenic strain Y2; cn bw sp, the same strain used for the BDGP's P1 and EST libraries. A more detailed description of the library and how to order individual BAC clones, the entire library, or filters for hybridization from the BACPAC Resource Center can be found at http://bacpac.med.buffalo.edu/drosophila_bac.htm.

FEATURES Location/Qualifier#
Source .1..1101
/organism="Drosophila melanogaster"
/mol_type="Genomic DNA"
/db_xref="taxon:7227"
/clone_id="RPCI-98_P1_9"
/clone_label="RPCI-98_P1_9"
/note="end : TET3"

SUMMARIES

Result No.	Score	Query	Match	Length	DB	ID	Description	
c 1	56.6	EST:*	1: gb_est1:*	3.2	1101	CNS001LT2	AL078714 Drosophil	
c 2	50.0	EST:*	2: gb_est2:*	2.8	939	10	AL059400 Drosophil	
c 3	48.6	EST:*	3: gb_est3:*	2.7	870	10	BG445569 GA_Ba002	
c 4	48.2	EST:*	4: gb_htc:*	573	6	CD659610 BtBSpf53	CD696110 BtBSpf53	
c 5	47.6	EST:*	5: gb_est4:*	2.7	1141	10	AG365778 Mus_muscu	AG365778 Mus_muscu
c 6	47.4	EST:*	6: gb_est5:*	2.7	1141	10	AL066784 Drosophil	AL066784 Drosophil
c 7	47.2	EST:*	7: gb_est6:*	2.7	922	10	AG886740 Oryza sat	AG886740 Oryza sat
c 8	46.8	EST:*	8: gb_est7:*	2.6	451	7	CO886405 LM_SIS_00	CO886405 LM_SIS_00
c 9	46.8	EST:*	9: gb_gbs1:*	2.6	553	7	CO824796 LM_GBS_00	CO824796 LM_GBS_00
c 10	46.6	EST:*	10: gb_gbs2:*	2.6	571	6	CA741621 wif1c_Dko	CA741621 wif1c_Dko
c 11	46.6	EST:*	11: gb_gbs3:*	2.6	857	3	BP162319	BP162319
c 12	46.6	EST:*		2.6	909	3	CNS001LT2	AL076724 Drosophil
c 13	46.4	EST:*		2.6	560	6	CA222795 SCBZFL403	CA222795 SCBZFL403
c 14	46.4	EST:*		2.6	401	1	AW555552	AW255255 ML252_pcp
c 15	45.6	EST:*		2.6	179	7	CP963096 8886service	CP963096 8886service
c 16	45.6	EST:*		2.6	388	7	CP962795	CP962795
c 17	45.6	EST:*		2.6	389	7	CP962731	CP962731
c 18	45.6	EST:*		2.6	474	7	CP959714	CP959714
c 19	45.4	EST:*		2.6	439	8	DN145761 4836_G12	DN145761 4836_G12
c 20	45.2	EST:*		2.5	330	8	DR179060 RTWNT1_I	DR179060 RTWNT1_I
c 21	45.2	EST:*		2.5	415	8	DR012815 HRAT1_15	DR012815 HRAT1_15
c 22	45.2	EST:*		2.5	455	8	DN458173 EST933972	DN458173 EST933972

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OM nucleic - nucleic search, using SW model

Run on: January 24, 2006, 01:18:23 ; Search time 1095 Seconds
(without alignments)
10791.324 Million cell updates/sec

Title: US-10-808-964A-2

Perfect score: 1773

Sequence: 1 ggtacctccggatgttcc.....caaatcgcccttcggttacc 1773

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 4996997 seqs, 3332346308 residues

Total number of hits satisfying chosen parameters: 9993994

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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- 2: geneseqn1930s:*
- 3: geneseqn2000s:*
- 4: geneseqn2001a:*
- 5: geneseqn2001b:*
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- 7: geneseqn2002b:*
- 8: geneseqn2003a:*
- 9: geneseqn2003b:*
- 10: geneseqn2003cs:*
- 11: geneseqn2003ds:*
- 12: geneseqn2004a:*
- 13: geneseqn2004b:*
- 14: geneseqn2005s:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB	ID	Description
1	1773	100.0	1773	9	AAL57177		Aal57177 Porcine c
c	2	1296.4	73.1	1767	13	ADW76756	Adw76756 Pig circ DNA
c	3	1285.2	72.5	1768	6	ABX08205	PMWS-Porc
c	4	1278.8	72.1	1768	6	ABX08203	PMWS-Porc
c	5	1272.2	72.0	1768	6	ABX08207	CT-Porcine
c	6	1274.7	71.9	1768	6	ABX08206	CT-Porcine
c	7	1274	71.9	1768	6	ABX08204	PMWS-Porc
c	8	1270.8	71.7	1774	6	ABX08219	PMWS-Porc
c	9	1252	70.6	1762	6	ABX08202	PMWS-Porc
c	10	1218.2	68.7	1759	6	ABX08208	CT-Porcine
c	11	1210.2	68.3	1759	6	ABX08210	PK-15,Por
c	12	1196.8	67.5	1760	4	AHH74867	Nucleotid
c	13	1196.8	67.5	1768	6	ABX094361	Rolling C
c	14	1195.8	67.4	5285	4	AHH74865	Nucleotid
c	15	1195.8	67.4	5285	8	ABX094355	Rolling C
c	16	1195.8	67.4	5650	4	AHH74866	Nucleotid
c	17	1195.8	67.4	5650	8	ABX094356	Rolling C
c	18	1059.8	59.8	1759	4	AHF75839	DNA fragm
c	19	1058.4	59.7	1768	9	AAL57176	Porcine c

RESULT 1
AAL57177
ID AAL57177 standard; DNA; 1773 BP.
XX
AC AAL57177;
XX DT 27-OCT-2003 (revised)
DT 09-OCT-2003 (First entry)
XX Porcine circovirus type 1-2 chimeric DNA.
XX
DE XX
XX Porcine circovirus type 2; PCV1-2; PCV1; PMWS; weaning piglet; dyspnoea; progressive weight loss; postweaning multisystemic wasting syndrome; ds; tachypnea; anaemia; diarrhoea; jaundice; vaccine; viricide; vaccine; gene; viral infection; chimeric.
XX
OS Porcine circovirus type 1.
OS Porcine circovirus type 2.
OS Chimeric.

Location/Qualifiers
958 . 1659.
/*tag= a /product= "Porcine circovirus type 2 ORF2 capsid protein"

Key
CDS

FH
FT

FT
XX

FT
PN

FT
XX

FT
PD

FT
XX

FT
PP

FT
XX

FT
PR

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OM nucleic - nucleic search, using sw model1

Run on: January 24, 2006, 04:27:51 ; Search time 9027 seconds
(without alignments)

Title: US-10-808-964A-2

Perfect score: 1973

Sequence: 1 ggtaacctccgtggatgttc.....caaatacgcccttcgggtacc 1773

Scoring table: IDENTITY_NUC Gapop 10.0 , Gapext 1.0

Searched: 5883141 seqs, 28421725653 residues

Total number of hits satisfying chosen parameters: 11766282

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : GenBank:
 1: gb:ba:
 2: gb_in:
 3: gb_env:
 4: gb_cm:
 5: gb_ov:
 6: gbDat:
 7: gb_Dh:
 8: gb_pr:
 9: gb_ro:
 10: gb_sts:
 11: gb_sy:
 12: gb_un:
 13: gb_vl:
 14: gb_htg:
 15: gb_Dl:

Database :

GenBank:

19 1301.2 73.4 1767 13 AV288134 Porcine c

C 20 1296.4 73.1 1767 13 AV294310 Porcine c

C 21 1288.4 72.7 1767 13 AV288133 Porcine c

C 22 1285.2 72.5 1768 13 AX379562 Sequence

C 23 1285.2 72.5 1768 13 AV099498 Porcine c

C 24 1278.8 72.1 1768 13 AX379560 Sequence

C 25 1278.8 72.1 1768 13 AV099496 Porcine c

C 26 1277.2 72.0 1768 13 AX379564 Sequence

C 27 1277.2 72.0 1768 13 AV09500 Porcine c

C 28 1274 71.9 1768 6 AX379561 Sequence

C 29 1274 71.9 1768 6 AX379563 Sequence

C 30 1274 71.9 1768 13 AV09495 Porcine c

C 31 1274 71.9 1768 13 AV09499 Porcine c

Y09921 Porcine cir

AP05532 Porcine c

AX379561 Sequence

C 32 1262.6 71.2 1759 13 PICCOMGEN

C 33 1261.4 71.1 1768 13 AP05532 Porcine c

C 34 1261.4 71.1 1768 13 AF30533 Porcine c

C 35 1252 70.6 1762 6 AX379559 Sequence

C 36 1252 70.6 1762 13 AV09497 Porcine c

C 37 1218.2 68.7 1759 13 AX379565 Sequence

C 38 1218.2 68.7 1759 13 AV09501 Porcine c

C 39 1196.8 67.5 7400 6 AX226286 Sequence

C 40 1195.8 67.4 5225 6 AX226280 Sequence

C 41 1195.8 67.4 5650 6 AX226281 Sequence

C 42 1159.8 59.8 1759 6 A97282 Sequence 5

C 43 1059.8 59.8 1759 6 AR145612 Sequence

C 44 1059.8 59.8 1759 6 BD081867 Porcine c

C 45 1059.8 59.8 1759 6 CQ768117 Sequence

ALIGNMENTS

RESULT 1
AF264042/cLOCUS AF264042_c
DEFINITION Porcine circovirus type 2 isolate 40895 complete genome.

ACCESSION AF264042

VERSION AF264042.1 GI:9392644

KEYWORDS

PORCINE CIRCOVIRUS 2

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VIRUSES; ssDNA VIRUSES; CIRCOVIRIDAE; CIRCOVIRUS.

REFERENCE 1 (bases 1 to 1768)

AUTHORS Penaux, M., Halbur, P.G., Gill, M., Toth, T.B. and Meng, X.J.

TITLE Genetic characterization of type 2 porcine circovirus (PCV-2) from

geographic regions of North America and development of a differential PCR restriction fragment length polymorphism assay to detect and differentiate between infections with PCV-1 and PCV-2

J. Clin. Microbiol. 38 (7), 2494-2503 (2000)

PENAUX, M., HALBUR, P.G., GILL, M., TOTH, T.B. AND MENG, X.J.

SUBMITTED (08-MAY-2000) VMRCVM, Virginia Tech, 1410 Prices Fork

ROAD, Blacksburg, VA 24061, USA

LOCATION/QUALIFIERS

1. 1768

ORGANISM=porcine circovirus 2

MOL_TYPE="genomic DNA"

ISOLATE="40895"

DB_XREF="taxon:85708"

COMPLEMENT(37. .738)

/GENE="cap"

COMPLEMENT(1 to 1768)

/GENE="cap"

/NOTE="Cap"

/CODON_START=1

/PRODUCT="putative capsid protein"

/PROTEIN_ID="AAFP7235"

/DB_XREF="G1:9392645"

/TRANSLATION="MTIPRRYRRRRHPRSHLQILARRPLVHPRHYRMRRKGII

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SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	1386.4	78.2	1768	13 AF264042	Porcine c
C 2	1378.4	77.7	1768	13 AP26040	Porcine c
C 3	1370.4	77.3	1768	13 AF26039	Porcine c
C 4	1370.4	77.3	1768	13 AF520783	Porcine c
C 5	1370.4	77.3	1768	13 AP5440783	Porcine c
C 6	1368.8	77.2	1768	13 AP261041	Porcine c
C 7	1367.2	77.1	1768	13 AF264038	Porcine c
C 8	1354.2	76.9	1768	13 AP26043	Porcine c
C 9	1354	76.9	1768	13 AP54546	Porcine c
C 10	1357.6	76.6	1768	13 AF201309	Porcine c
C 11	1346.4	75.9	1768	13 AP201305	Porcine c
C 12	1346.4	75.9	1768	13 AP201308	Porcine c
C 13	1343.2	75.8	1768	13 AF201306	Porcine c
C 14	1341.6	75.7	1768	13 AP201310	Porcine c
C 15	1340.6	75.6	1768	13 AF201307	Porcine c
C 16	1340	73.7	1767	11 AJ623306	Synthetic
C 17	1304.4	73.6	1767	13 AP201311	Porcine c
C 18	1303.4	73.5	1767	13 CQ768117	Porcine c